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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/043,918	01/11/2002	Ramesh Pendakur	42390P11552	7242

8791 7590 07/05/2005

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EXAMINER

PWU, JEFFREY C

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 07/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/043,918

Applicant(s)

PENDAKUR, RAMESH

Examiner

Jeffrey C. Pwu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) ____ is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-30 are rejected under 35 U.S.C. 102(e) as being unpatentable over Guheen et al. (U.S. 6,519,571).

Guheen et al. disclose claims:

1. A method comprising:

- receiving content from one or more content sources (2400, 2402);
- distributing metadata dictionary to a plurality of network nodes, wherein the metadata dictionary comprises content descriptors (col.219, lines 41-67);
- receiving a plurality of subscription information from a plurality of corresponding filtering network nodes of the plurality of network nodes, wherein the plurality of subscription information is provided by a plurality of corresponding users via a plurality of receiving network nodes of the plurality of network nodes (col.208, lines 1-60);
- aggregating the plurality of subscription information (1402, 1406);

- generating an aggregated content stream based on the aggregated subscription information, wherein the aggregated content stream comprises aggregated content (1402, 1406, 2300); and
- distributing the aggregated content stream to the plurality of filtering network nodes (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432);

2. The method of claim 1, further comprising: generating a plurality of user profiles comprising the plurality of subscription information; associating the content descriptors with the plurality of user profiles; saving the user profiles; generating a plurality of personalized content streams based on the plurality of user profiles by dividing the aggregated content stream into the plurality of personalized content streams; and providing the plurality of personalized content streams to the plurality of receiving network nodes (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

3. The method of claim 2, wherein the generating the plurality of personalized content streams comprises filtering the aggregated content stream by comparing the aggregated content stream with the plurality of user profiles (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

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4. The method of claim 1, wherein the preparing the aggregated content stream based on the aggregated subscription information further comprises allocating bandwidth based on the aggregated subscription information to maximize the bandwidth (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

5. The method of claim 1, further comprising providing the plurality of personalized content streams to the plurality of corresponding users (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

6. A method comprising: receiving a plurality of subscription information from a plurality of receiving network nodes of a plurality of network nodes; generating a plurality of user profiles comprising the plurality of subscription information; associating content descriptors with the plurality of user profiles; saving the user profiles; generating a plurality of personalized content streams based on the plurality of user profiles by dividing an aggregated content stream into the plurality of personalized content streams; and providing the plurality of personalized content streams to the plurality of receiving network nodes (1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

7. The method of claim 6, further comprising: receiving the plurality of subscription information from the plurality of corresponding users; forwarding the plurality of

subscription information upstream to a plurality of filtering network nodes of the plurality of network nodes; receiving the plurality of personalized content streams from the plurality of filtering network nodes; and providing the plurality of personalized content streams to the plurality of corresponding users, wherein the plurality of personalized content streams comprises content (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

8. The method of claim 7, further comprising: generating the plurality of user profiles based on the plurality of subscription information; saving the plurality of user profiles (1402, 1406, 2300).

9. The method of claim 7, further comprising displaying the content (2311).

10. The method of claim 6, wherein the plurality of subscription information comprises a plurality of user preference data, wherein the plurality of user preference data comprises content preferred by the plurality of users (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

11. The method of claim 6, wherein the subscription information comprises a plurality of content rating data, wherein the plurality of content rating data indicates interest-level of the plurality of the users relating to the content (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

12. The method of claim 6, wherein the plurality of users comprises the following: a household and a community (see "user" or "users").

13. The method of claim 12, wherein the community comprises the plurality of users based on the following: demographics, geographic locations, and head-ends (also see "user" or "users").

14. The method of claim 6, further comprising: distributing a metadata dictionary comprising the content descriptors; dynamically updating the metadata dictionary; and storing the metadata dictionary (106).

15. The method of claim 6, further comprising: receiving the content from a plurality of content sources, wherein the content sources comprise sources of web content, repurposed web content, produced content, and external content; and storing the content (1402).

16. A content delivery system comprising: a content distributor to distribute downstream an aggregated content stream to a plurality of filtering hubs of a network, wherein the aggregated content stream is based on an aggregation a plurality of subscription information received from the plurality of filtering hubs; the plurality of filtering hubs to

receive the plurality of subscription information from a plurality of receivers of the network, and filter the aggregated content stream to generate a plurality of personalized content streams based on a plurality of user profiles, wherein the plurality of user profiles is generated based on the plurality of subscription information, and provide the plurality of personalized content streams downstream to the plurality of receivers; and a plurality of receivers to receive the subscription information from a plurality of users, and provide the subscription information upstream to the plurality of the filtering hubs, and provide the plurality of personalized content streams downstream to the plurality of users (1402, 1406, 2300,2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

17. The content delivery system of claim 16, wherein the content distributor is further to distribute a metadata dictionary to a plurality of nodes of the network, wherein the metadata dictionary comprises metadata vocabulary (1402).

18. The content delivery system of claim 16, wherein the content distributor is further to receive content from one or more content sources (106).

19. The content delivery system of claim 16, wherein the content distributor comprises broadcasting networks, local broadcasters, cable providers and operators, satellite service provider, and other content providers ("The present invention provides a new kind of web architecture framework (called "WAF" in this document) that secures,

administers, and audits electronic information use. WAF also features fundamentally important capabilities for managing content that travels "across" the "information highway." These capabilities comprise a rights protection solution that serves all electronic community members. These members include content creators and distributors, financial service providers, end-users, and others. WAF is the first general purpose, configurable, transaction control/rights protection solution for users of computers, other electronic appliances, networks, and the information highway.").

20. The content delivery system of claim 16, wherein the plurality of filtering hubs comprises head-ends, local broadcasters, local satellite stations, and filtering stations (1314).

21. The content delivery system of claim 16, wherein the plurality of receivers comprises multimedia devices, wherein the multimedia devices comprise content providing sub-system and content receiving sub-system (1402; Web Application Services – "Content Channels" [Download Capabilities, Push Technology Capabilities, Discussion Forum, FAQs, Chat Capabilities, Generate Coordinated/ Targeted Messages, Manage Email Receipt, Dynamic Rendering—]).

22. The content delivery system of claim 21, wherein the content providing sub-system comprises content display system (1404; "Administrative & Miscellaneous")

23. The content delivery system of claim 16, wherein the plurality of filtering hubs and the plurality of receivers may be logically and/or physically integrated (see "WAS").

24. A machine-readable medium having stored thereon data representing sequences of instructions, the sequences of instructions which, when executed by a processor, cause the processor to: receive content from one or more content sources; distribute metadata dictionary to a plurality of network nodes, wherein the metadata dictionary comprises content descriptors; receive a plurality of subscription information from a plurality of corresponding filtering network nodes of the plurality of network nodes, wherein the plurality of subscription information is provided by a plurality of corresponding users via a plurality of receiving network nodes of the plurality of network nodes; aggregate the plurality of subscription information; generate an aggregated content stream based on the aggregated subscription information, wherein the aggregated content stream comprises aggregated content; and distribute the aggregated content stream to the plurality of filtering network nodes (1402, 1406, 2300, 2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

25. The machine-readable medium of claim 24, wherein the sequences of instructions which, when executed by a processor, further cause the processor to: generate a plurality of user profiles comprising the plurality of subscription information; associate the content descriptors with the plurality of user profiles; save the user profiles; generate a plurality of personalized content streams based on the plurality of user profiles by

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dividing the aggregated content stream into the plurality of personalized content streams; and provide the plurality of personalized content streams to the plurality of receiving network nodes (1402, 1406, 2300, 2310, 1408, 1410, 2500, 2513, 1412, 2606, 1414, 1416, 1418, 1420, 1424, 1422, 1426, 1428, 1430, 1432).

26. The machine-readable medium of claim 25, wherein to generate the plurality of personalized content streams further cause the processor to filter the aggregated content stream by comparing the aggregated content stream with the plurality of user profiles (2202).

27. A machine-readable medium of claim 24, wherein the sequences of instructions which, when executed by a processor, further cause the processor to provide the plurality of personalized content streams to the plurality of corresponding users (2204).

28. A machine-readable medium having stored thereon data representing sequences of instructions, the sequences of instructions which, when executed by a processor, cause the processor to: receive a plurality of subscription information from a plurality of receiving network nodes of a plurality of network nodes; generate a plurality of user profiles comprising the plurality of subscription information; associate content descriptors with the plurality of user profiles; save the user profiles; generate a plurality of personalized content streams based on the plurality of user profiles by dividing an aggregated content stream into the plurality of personalized content streams; and

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provide the plurality of personalized content streams to the plurality of receiving network nodes (1402).

29. The machine-readable medium of claim 28, wherein the sequences of instructions which, when executed by a processor, further cause the processor to: receive the plurality of subscription information from the plurality of corresponding users; forward the plurality of subscription information upstream to a plurality of filtering network nodes of the plurality of network nodes; receive the plurality of personalized content streams from the plurality of filtering network nodes; and provide the plurality of personalized content streams to the plurality of corresponding users, wherein the plurality of personalized content streams comprises content (1402, 1406, 2300).

30. The machine-readable medium of claim 28, wherein the sequences of instructions which, when executed by a processor, further cause the processor to: generate the plurality of user profiles based on the plurality of subscription information; save the plurality of user profiles (1402, 1406, 2300).

Response to Arguments

3. Applicant's arguments filed 4/4/2005 have been fully considered but they are not persuasive.

Applicant contends that Guheen dose not disclose or reasonably suggest “distributing metadata dictionary to a plurality of network nodes, wherein the metadata dictionary comprises content descriptors”.

In contrary, examiner asserts that Guheen teaches a content delivery system comprising distributing metadata dictionary to a plurality of network nodes, wherein the metadata dictionary comprises content descriptors as follow:

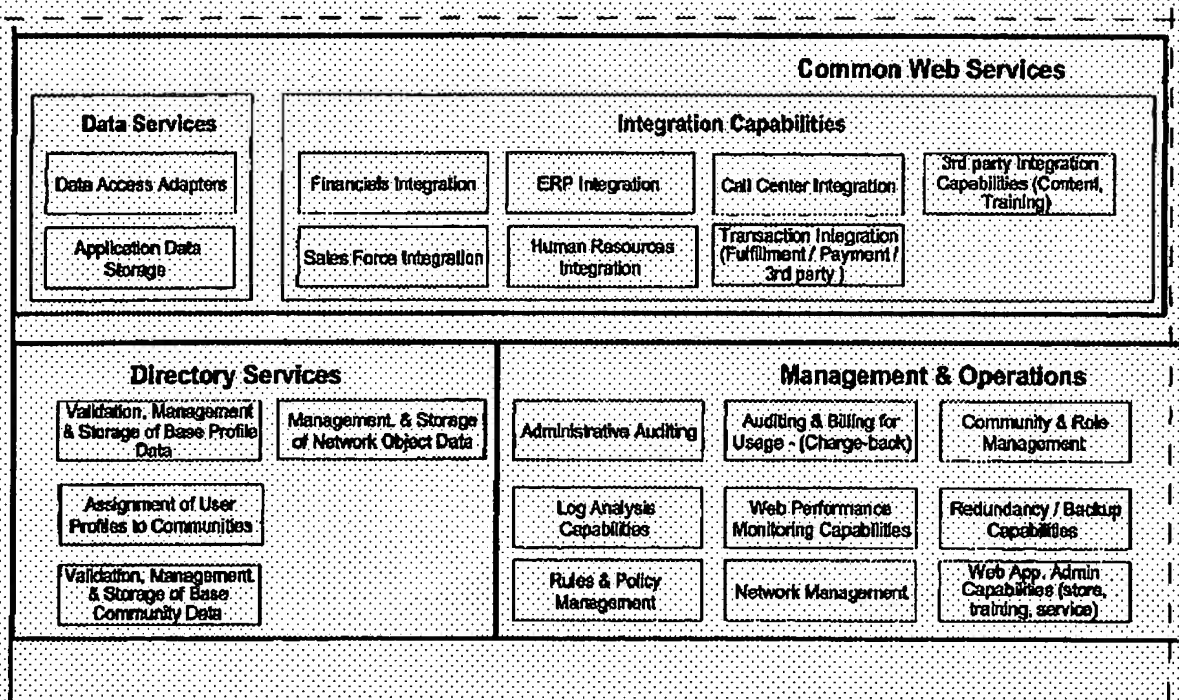


Fig. 21E

“Metadata Management

Data about the media that is being stored is an important commodity that must be managed. As the volume of media content grows, it is vital to be able to understand

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characteristics of the media, in order to be able to manage it correctly. Examples of metadata include: Media type (for example, MPEG video, JPEG image) Media settings (for example, sample rate, resolution, compression attributes) Usage details (which module uses the content) Media source (for example, Source, author, creation date) Legal information (for example, whether the media is copyrighted)”

“The tool may provide a central dictionary which allows design data to be shared between several designers and includes security checks to monitor any conflicts in overlapping access rights between designers.”

“The facility to add color to the data model is useful for communicating additional dimensions such as data ownership.”

“Media Content Management

Methods for storing and managing media content range from simple folder management techniques to multimedia digital asset management systems, capable of indexing and manipulating numerous multimedia data types. There are a number of key requirements for Media Content Management--in particular, a Media Content Management system should have the ability to: Manage multiple file formats efficiently store high volume files Manage metadata on files within the system Manage multiple versions of media files Manage revision history of changes to media files Control media storage across locations (online, near line, offline)”

“Web Architecture Framework

The foregoing development and operation architecture framework of FIGS. 2-64 may thus be employed in the generation of an Internet architecture framework like the one shown in FIG. 65 to support various features such as an electronic commerce component 1400, a content channels component 1402, an administrative component 1404, a customer relationship management component 1406, a content management and publishing services component 1408, an education related services component 1410, or a web customer service component 1412. The present invention provides a new kind of web architecture framework (called "WAF" in this document) that secures, administers, and audits electronic information use. WAF also features fundamentally important capabilities for managing content that travels "across" the "information highway." These capabilities comprise a rights protection solution that serves all electronic community members. These members include content creators and distributors, financial service providers, end-users, and others. WAF is the first general purpose, configurable, transaction control/rights protection solution for users of computers, other electronic appliances, networks, and the (2071) Normally the party who creates a WAF content container defines the general nature of the WAFF capabilities that will and/or may apply to certain electronic information. A WAF content container is an object that contains both content (for example, commercially distributed electronic information products such as computer software programs, movies, electronic publications or reference materials, etc.) and certain control information related to the

use of the object's content. A creating party may make a WAF container available to other parties. Control information delivered by, and/or otherwise available for use with, WAF content containers comprise (for commercial content distribution purposes) WAFF control capabilities (and any associated parameter data) for electronic content. These capabilities may constitute one or more "proposed" electronic agreements (and/or agreement functions available for selection and/or use with parameter data) that manage the use and/or the consequences of use of such content and which can enact the terms and conditions of agreements involving multiple parties and their various rights and obligations."

"The present invention allows content providers and users to formulate their transaction environment to accommodate: (1) desired content models, content control models, and content usage information pathways, (2) a complete range of electronic media and distribution means, (3) a broad range of pricing, payment, and auditing strategies, (4) very flexible privacy and/or reporting models, (5) practical and effective security architectures, and (6) other administrative procedures that together with steps (1) through (5) can enable most "real world" electronic commerce and data security models, including models unique to the electronic world."

"Dynamic Rendering Displays content and applications based on profile
Pulls content from multiple data sources: static, database, third party site

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Matches content to users via configurable business rules Allows custom template based publishing"

"The content channels component of the present invention also provides for generic and custom template based publishing by displaying selected content and applications based on the profile of a user. Note operation 2214 of FIG. 78. Content is obtained from multiple data sources, including static, database, and third party sites. Optionally, the content may be matched to particular users via configurable business rules."

"Match Web Content to Specific User Profiles Permits cross- and up-sell of products to customers based on user profile Offers personalized recommendations based on an individual's profile Targets content and advertisements based on an individual's profile Relates legacy databases and information to personal profile information Content matching rules are defined by configurable business rules Uses metadata and business rules to match content to profiles"

"Operation 2400 of the content management and publishing services component of the present invention provides tools for developing content of a data interface for accessing data on a network. In particular, a view of the navigational structure, directories of information, hyperlinks, hyperlink status, or all files of the site is shown. Hyperlinks may be maintained automatically. Graphics editing is supported. Predefined formats may be provided to assist in generating web sites and pages. Optionally, WYSIWYG frames

pages may be created and HTML tables may be drawn. Also optionally, metadata editing and definition may be allowed. Existing files or folders may be imported into a web site. Ideally, the content management and publishing services component of the present invention integrates with version control tools.”

Furthermore, applicant’s disclosure did not actually define what is the claimed metadata dictionary, applicant only calls for a content descriptor. Therefore, Guheen does in fact discloses all of the limitations in claim 1.

Conclusion


4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey C. Pwu whose telephone number is 571-272-6798.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



6/24/05

JEFFREY PWU
PRIMARY EXAMINER